



[Document Type] ABSTRACT OF THE DISCLOSURE

[Abstract]

[Object]

A novel information-recording medium is provided, which records information upon application of thermal energy and reads the recorded information with detection of the value of photoelectric current generated by light applied to the information-recorded portion, and can realize multi-valued information recording or analog information recording.

[Means for Solving the Problems]

The information-recording medium comprising: a pair of electrodes; and a liquid crystal material filled into a gap between the said electrodes, the said liquid crystal material having such a property that charge-transport properties vary according to a phase transfer between a plurality of stable liquid crystal phases of the liquid crystal and (or) a history of the phase transfer.

[Selected Figure]

Fig. 1